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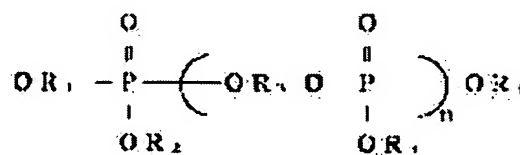
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## (54) FLAME-RETARDANT RESIN COMPOSITION AND FLAME-RETARDANT FIBER STRUCTURE

(57)Abstract:

**PROBLEM TO BE SOLVED:** To obtain the subject composition having excellent flame retardancy, resin film formability and resin film strength, scarcely bleeding a flame retardant on the surface and not generating a poisonous substance containing a halogen on combustion by compounding a flame retardant encapsulated in microcapsules and a thermoplastic resin.

**SOLUTION:** This flame-retardant resin composition comprises (A) a flame retardant {preferably a flame retardant not containing a halogen, more preferably a phosphorous compound, especially a flame-retardant compound of the formula [R1 to R4 are each phenyl, cresyl or xylenyl; (n) is 1-20]} encapsulated in microcapsules and (B) a thermoplastic resin (a polyolefinic resin, a polyester-based resin, a polyurethane-based resin, etc.,). The microcapsules are added in a temperature



B/temperature A ratio of preferably 100 pts.wt./(10-200 pts.wt.), more preferably 100 pts.wt./ (20-80 pts.wt.).

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## LEGAL STATUS

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